1644

#15

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RAW SEQUENCE LISTING                  DATE: 08/02/2000
PATENT APPLICATION:   US/09/147,443B       TIME: 10:36:42

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   3 <110> APPLICANT: Morell, Andreas
   4         Imboden, Martin
   5         Stadler, Beda
   6         Miescher, Sylvia
   7         Vogel, Monique
   8         Amstutz, Hanspeter
  10 <120> TITLE OF INVENTION: POLYPEPTIDES CAPABLE OF FORMING ANTIGEN BINDING
  11        STRUCTURES WITH SPECIFICITY FOR THE RHESUS D ANTIGENS,
  12        THE DNA ENCODING THEM AND THE PROCESS FOR THEIR
  13        PREPARATION AND USE
  15 <130> FILE REFERENCE: 6816/P63221US0
  17 <140> CURRENT APPLICATION NUMBER: 09/147,443B
C--> 18 <141> CURRENT FILING DATE: 1998-12-24
  20 <150> PRIOR APPLICATION NUMBER: PCT/EP97/03253
  21 <151> PRIOR FILING DATE: 1997-06-20
  23 <150> PRIOR APPLICATION NUMBER: EP 96810421.6
  24 <151> PRIOR FILING DATE: 1996-06-24
  26 <160> NUMBER OF SEQ ID NOS: 64
  28 <170> SOFTWARE: PatentIn Ver. 2.1
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  49 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
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  52 gca ggt ata tgg ttt gat gga agt aac aaa aac tat gca gac tcc gtg   192
  53 Ala Gly Ile Trp Phe Asp Gly Ser Asn Lys Asn Tyr Ala Asp Ser Val
  54       50                  55                  60
  56 aag ggc cga ttc acc atc tcc aga gac aat tcc aag aac acg ctg tat   240
  57 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
  58  65                  70                  75                  80
  60 ctg caa ctg aac agc ctg aga gac gag gac acg gct gtg tat tat tgt   288
  61 Leu Gln Leu Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Tyr Cys
  62                85                  90                  95
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88 Ala Gly Ile Trp Phe Asp Gly Ser Asn Lys Asn Tyr Ala Asp Ser Val
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92  65             70             75             80
94 Leu Gln Leu Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Tyr Cys
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117  1             5             10             15
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120 Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Arg Ser His Leu Asn
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124 Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly
125         35             40             45
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128 Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
129         50             55             60
131 tct ggg gca gtt ttc act ctc acc atc gcc agt cta caa cct gaa gat   240
132 Ser Gly Ala Val Phe Thr Leu Thr Ile Ala Ser Leu Gln Pro Glu Asp
133  65             70             75             80
135 ttt gca act tac tac tgt caa gag agt tac agt aat cct cta atc acc   288
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154              20                  25                  30
156 Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly
157          35                  40                  45
159 Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
160      50                  55                  60
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163  65                  70                  75                  80
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188 Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Ala Leu Arg Ser Ser
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191 ggc atg cac tgg gtc cgc cag gct cct ggc aag ggg ctg gag tgg gtg  144
192 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
193          35                  40                  45
195 gca ctt ata tgg ttt gat gga agt atc aga tcg tat gca gaa tcc gtg  192
196 Ala Leu Ile Trp Phe Asp Gly Ser Ile Arg Ser Tyr Ala Glu Ser Val
197      50                  55                  60
199 aag ggc cga ttc acc atc tcc aga gac act tcc aag aac acc cta tat  240
200 Lys Gly Arg Phe Thr Ile Ser Arg Asp Thr Ser Lys Asn Thr Leu Tyr
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203 ctc caa atg cgc agt ctg agt gcc gac gac acg gct gtg tat tac tgt  288
204 Leu Gln Met Arg Ser Leu Ser Ala Asp Asp Thr Ala Val Tyr Tyr Cys
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208 Ala Arg Asp Lys Ala Val Arg Gly Ile Ser Arg Tyr Asn Tyr Tyr Met
209             100                 105                 110
211 gac gtc tgg ggc aaa ggg acc acg gtc acc gtc tcc tca                375
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226             20                  25                  30
228 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
229             35                  40                  45
231 Ala Leu Ile Trp Phe Asp Gly Ser Ile Arg Ser Tyr Ala Glu Ser Val
232       50                  55                  60
234 Lys Gly Arg Phe Thr Ile Ser Arg Asp Thr Ser Lys Asn Thr Leu Tyr
235   65                  70                  75                  80
237 Leu Gln Met Arg Ser Leu Ser Ala Asp Asp Thr Ala Val Tyr Tyr Cys
238             85                  90                  95
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262 gtc acc atc act tgc cgg gca agt cag aac att atc cgc tat tta aat   96
263 Val Thr Ile Thr Cys Arg Ala Ser Gln Asn Ile Ile Arg Tyr Leu Asn
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266 tgg tat cag cag aag cca ggg aaa gcc cct agg ctc ctg atc tat ggt   144
267 Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile Tyr Gly
268             35                  40                  45
270 gcg tcc act ttg caa agt ggg gtc cca tca agg ttc agt ggc agt gga   192
271 Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
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274 tct ggg aca gat ttc act ctc acc atc agt agt ctg caa cct gaa gat   240
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276 65              70                  75                  80
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279 Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Arg Thr Pro Pro Phe Thr
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300             35                  40                  45
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306 65              70                  75                  80
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331 Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Leu Arg Ser Ser
332             20                  25                  30
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335 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
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338 gca ctt ata tgg ttt gat gga agt atc aga tcg tat gca gaa tcc gtg   192
339 Ala Leu Ile Trp Phe Asp Gly Ser Ile Arg Ser Tyr Ala Glu Ser Val
340         50                  55                  60
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343 Lys Gly Arg Phe Thr Ile Ser Arg Asp Thr Ser Lys Asn Thr Leu Tyr
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